

DEPARTMENT OF TRANSPORTATION
TRANSPORTATION
ENGINEER (CIVIL)
OPEN – STATEWIDE - CONTINUOUS



CALIFORNIA
STATE
GOVERNMENT

AN EQUAL OPPORTUNITY EMPLOYER TO ALL REGARDLESS OF RACE, COLOR, CREED, NATIONAL ORIGIN, ANCESTRY, SEX, MARITAL STATUS, DISABILITY, RELIGIOUS OR POLITICAL AFFILIATION, AGE OR SEXUAL ORIENTATION

IT IS AN OBJECTIVE OF THE STATE OF CALIFORNIA TO ACHIEVE A DRUG-FREE STATE WORK PLACE. ANY APPLICANT FOR STATE EMPLOYMENT WILL BE EXPECTED TO BEHAVE IN ACCORDANCE WITH THIS OBJECTIVE BECAUSE THE USE OF ILLEGAL DRUGS IS INCONSISTENT WITH THE LAW OF THE STATE, THE RULES GOVERNING CIVIL SERVICE AND THE SPECIAL TRUST PLACED IN PUBLIC SERVANTS.

EXAMINATION TYPE	This is an open examination. Applications will not be accepted on a promotional basis. Career credits will not be granted.
LOCATION	This test is administered by the State Personnel Board, on behalf of the Department of Transportation, on an open, continuous, statewide basis, utilizing the Internet.
WHO SHOULD APPLY	Applicants who meet the minimum qualifications as stated below may apply for and take this examination at any time. Once you have taken the examination, you may not reapply for six (6) months. All applicants must meet the education and/or experience requirements as stated on this examination announcement.
GENERAL	Meeting the minimum qualifications to compete in the Transportation Engineer (Civil) examination does not assure placement on the eligible list. Competitors must successfully pass the examination.
HOW TO APPLY	The application and examination for the Transportation Engineer (Civil) classification is available on a continuous basis on the Internet. Applicants will respond to questions regarding their ability to meet minimum qualifications, provide their contact information, and take the examination on the Internet. Candidates may only take the examination once in a six-month period.

PLEASE DO NOT SUBMIT A STATE APPLICATION FORM. THE APPLICATION FORM FOR THE TRANSPORTATION ENGINEER (CIVIL) IS CONTAINED IN THE INTERNET PROCESS.

If you do not have Internet access, there are public access Internet terminals in over 150 California public libraries. Contact your local library for information as to where the nearest Internet terminal is located and the policies related to usage. DO NOT contact the State Personnel Board or the Department of Transportation for this information. The State Personnel Board and the Department of Transportation do not maintain an up-to-date list of library locations. The State Personnel Board Service Center does have Internet terminals that are available for public use at no cost. For more information, contact the Service Center at (916) 653-1705.

If you are not familiar with the Internet, you may have a friend or family member assist you. You may apply and take the examination on the Internet by connecting to: http://www.spb.ca.gov/employment/exam_start.htm and following the on-line instructions. Please note that the Internet system will be unavailable on Tuesdays between 8:00 a.m. and 1:00 p.m., Pacific Standard Time, for processing and maintenance. DO NOT begin the application process on the Internet during this time as your record will NOT be processed. It takes approximately 1 to 1½ hours to complete the application and examination on the Internet. If you begin the examination before 8:00 a.m., be sure to allow sufficient time to complete the examination.

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**SPECIAL TESTING
ARRANGEMENTS**

If you are disabled and need special assistance or special testing arrangements, please contact the State Personnel Board at (916) 653-1502, (TTY) (916) 654-6336, or via California Relay (Telephone) Service for the deaf or hearing impaired from TDD phones: 1-800-735-2929, or from voice phones: 1-800-735-2922.

SALARY RANGES

Range A:	\$3,437 - \$3,977
Range B:	\$3,934 - \$4,778
Range C:	\$4,424 - \$5,374
Range D:	\$4,867 - \$5,914

**ELIGIBLE LIST
INFORMATION**

An open merged eligible list will be established for the California Department of Transportation. The names of successful competitors will be merged onto the eligible list in order of final score regardless of test date. Eligibility expires twelve (12) months after it is established. Competitors must then retest to reestablish eligibility.

**MINIMUM
QUALIFICATIONS**

You should determine which pattern you meet.

EITHER I

Graduation from a four-year curriculum in civil engineering accredited by the Accreditation Board for Engineering Technology (ABET). (Registration as a senior in such a curriculum will admit an applicant to the qualifying examination, but they must produce evidence of graduation before they can be considered eligible for appointment.)

(Possession of a valid certificate as an Engineer-in-Training issued by the California State Board of Registration for Professional Engineers and Land Surveyors, or issued by another jurisdiction and accepted by the California Board in lieu of the first division of the examination as an engineer may be substituted for the required education.)

OR II

Possession of equivalent qualifications may be demonstrated by graduation from an engineering curriculum which includes the basic engineering courses normally covered in a standard four-year engineering curriculum and by qualifying in a written exam covering basic engineering. (Registration as a senior in such a curriculum will admit an applicant to the qualifying examination, but they must produce evidence of graduation before they can be considered eligible for appointment.)

OR III

A Master's or Doctorate degree in a civil engineering curriculum from a college or university that has a baccalaureate degree program in a civil engineering curriculum which is accredited by the Accreditation Board for Engineering Technology (ABET). (Registration as a candidate in such a curriculum will admit an applicant to the qualifying examination, but they must produce evidence of graduation before they can be considered eligible for appointment.)

IMPORTANT NOTE

Graduates in civil engineering from a non-ABET accredited college or university will be required to pass a written examination prior to taking the examination.

LOCATIONS

Positions may exist in the following locations:

Eureka	Bishop	Irvine
Marysville	Fresno	Los Angeles
Redding	Oakland	San Bernardino
Sacramento	San Luis Obispo	San Diego
Stockton		

**JOB DUTIES/
TYPICAL TASKS**

A Transportation Engineer (Civil) performs engineering work involving plans, designs, details and maintenance of transportation systems, in whole or in part, that may include land, rail, freeways, roads, airports, ramps, hydraulics, sanitary facilities, bridges, non-standard major structures or transportation-related buildings and other structures; makes layouts and assembles specifications; reviews, and assists in reviewing, project proposals, plans, and specifications prepared by others; acts as resident engineer on small-to-medium sized construction projects; works up special provisions and contract estimates; keeps, or assists in keeping, the necessary records pertaining to construction progress, job expenditures, budget programs, and work order balances; confers with contractors regarding compliance with plans and quality of work or construction activity; selects and/or uses computer-based processes to compile engineering data, horizontal and vertical alignments, and curve computations; develops, or assists in the development or maintenance of, transportation-related state-of-the-art computer programs and procedures; makes or revises maps, charts, and diagrams; uses project management systems to budget personnel and set milestones for transportation projects; makes field investigations of and for laboratory analysis of materials being used in construction of transportation and public works research projects; makes controlled tests and checks performance of construction materials, soils, aggregates, cement, asphalt, concrete, and other materials incorporated in bridges, non-standard major structures, or transportation-related buildings; evaluates, or assists in evaluating, damage for all types of transportation facilities, including bridges and other non-standard major structures; makes in-plant investigations and makes recommendations regarding materials, plant design and operations; may use underwater diving equipment to make underwater quality control and structure investigations; performs transportation operational, traffic operations, planning, or maintenance engineering tasks; prepares and presents information to the public about all types of transportation engineering matters; tests for and prepares environmental reports, assessment reports of transportation surveys, investigations and analysis statements, and air and water quality reports; assists a registered engineer in performing professional engineering work; may lead other engineering and technical personnel.

**EXAMINATION
INFORMATION**

Training and Experience Questionnaire - 100%

All candidates will be required to complete a Training and Experience Questionnaire. The Questionnaire is designed to elicit specific information regarding each candidate's training and experience relevant to the Transportation Engineer (Civil) classification. The information on the Training and Experience Questionnaire will be competitively assessed based on pre-determined rating criteria.

The Training and Experience Questionnaire measures the following areas determined to be important for success on the job.

Computer Skills	Project Leadership Skills	Visual/Technical Skills
Communication Skills	Interpersonal Skills	

In addition, there are questions regarding work experience in jobs similar to Transportation Engineer (Civil), personal characteristics, and work performance.

**VETERANS
PREFERENCE**

Veterans Preference points will be added to the final score of all competitors who are successful in the Training and Experience Questionnaire and who qualify for, and have requested these points. Due to changes in the law, which was effective January 1, 1996, **VETERANS WHO ACHIEVE PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERANS PREFERENCE POINTS.**

QUESTIONS

If you have any questions concerning this announcement, please contact the State Personnel Board, Examination and Selection Services Section, 801 Capitol Mall, P.O. Box 944201, Sacramento, CA 94244-2010, (916) 653-1502, TTY (916) 654-6336.

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GENERAL INFORMATION

If you meet the requirements stated on this bulletin, you may take this examination, which is competitive. Possession of the entrance requirements does not assure a place on the eligible list. Your performance in the examination described on this bulletin will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

The State Personnel Board reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in from one to four years unless otherwise stated on the bulletin. In the case of continuous testing examinations, names are merged into the appropriate eligible list in order of final test scores (except as modified by veterans preference points) regardless of the date of the test and the resulting eligible lists will be used only to fill vacancies in the area shown on this bulletin.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

Veterans Preference: California law limits the granting of veterans preference points in open entrance examinations and open non-promotional examinations. Credit in open entrance examinations is granted as follows: 10 points for veterans, widows, or widowers of veterans, and spouses of 100 percent disabled veterans; and 15 points for disabled veterans. Credit in open non-promotional examinations is granted as follows: five points for veterans, and 10 points for disabled veterans. Directions for applying for veterans' preference points are on the Veterans Preference Application, which is available from the State Personnel Board office, written test proctors, and the Department of Veterans Affairs, P.O. Box 1559, Sacramento, CA 95807.

Interview Scope: If an interview is conducted, in addition to the scope described on this bulletin, the panel will consider education, experience, personal development, personal traits, and fitness. In appraising experience, more weight will be given to the breadth and recency of pertinent experience and evidence of the candidate's ability to accept and fulfill increasing responsibilities than to the length of his/her experience. Evaluation of a candidate's personal development will include consideration of his/her recognition of his/her own training needs; his/her plans for self-development; and the progress he/she has made in his/her efforts toward self-development.

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